

What is claimed is:

1. A device for mounting an avionic instrument system to a mounting surface, comprising:
 - an electronic module coupled to the mounting surface; and
 - a display unit located directly in front of the electronic module and in communication with the electronic module, the display unit having a first range of mounting locations with respect to the electronic module.
2. The device of claim 1, further including:
 - a first mounting frame coupled to the mounting surface;
 - a second mounting frame coupled between the electronic module and the first mounting frame along a second range of mounting locations with respect to the first mounting frame.
3. The device of claim 1, further including a motherboard interface coupled between the electronic module and the display unit.
4. The device of claim 1, wherein the mounting surface includes a cockpit instrument panel.
5. The device of claim 1, wherein the display unit includes a flat panel display screen.
6. The device of claim 1, wherein the display unit includes a liquid crystal display (LCD) screen.
7. The device of claim 1, wherein the first range of mounting locations includes a vertical range of mounting locations.

8. The device of claim 1, further including three dimensional ranges of mounting locations of the single display unit with respect to the electronic module.

9. The device of claim 2, wherein the second range of mounting locations includes a horizontal range of mounting locations.

10. An avionic instrument mounting system, comprising:
a first mounting frame adapted for mounting to an avionic mounting surface;
a plurality of electronic modules;
a second mounting frame coupled to each of the electronic modules and coupled to the first mounting frame along a module range of mounting locations with respect to the first mounting frame; and
a display unit located directly in front of the plurality of electronic modules and in communication with the electronic modules, the display unit having a display range of mounting locations with respect to the electronic modules.

11. The avionic instrument mounting system of claim 10, wherein a front face of each electronic module includes a long axis and a short axis, and wherein each electronic module is coupled to the second frame with the long axis oriented vertically.

12. The avionic instrument mounting system of claim 10, wherein the avionic mounting surface includes a cockpit instrument panel.

13. The avionic instrument mounting system of claim 10, wherein the display range of mounting locations includes a vertical range of mounting locations.

14. The avionic instrument mounting system of claim 10, wherein the plurality of electronic modules are coupled behind the avionic mounting surface.

15. The avionic instrument mounting system of claim 10, wherein the module range of mounting locations includes a horizontal range of mounting locations.
16. An avionic instrument mounting system, comprising:
a first mounting frame adapted for mounting to an avionic mounting surface;
a second mounting frame coupled to the first mounting frame along a module range of mounting locations with respect to the first mounting frame; and
a display unit located directly in front of the first mounting frame, the single display unit having a display range of mounting locations with respect to the first mounting frame.
17. The avionic instrument mounting system of claim 16, wherein the avionic mounting surface includes a cockpit instrument panel.
18. The avionic instrument mounting system of claim 16, further including an electronic module coupled to the second mounting frame.
19. The avionic instrument mounting system of claim 18, wherein the electronic module includes circuits for a global positioning system (GPS).
20. The avionic instrument mounting system of claim 16, wherein the display range of mounting locations includes a vertical range of mounting locations.
21. The avionic instrument mounting system of claim 16, wherein the module range of mounting locations includes a horizontal range of mounting locations.
22. A method of mounting an avionic instrument system to a mounting surface, comprising:
coupling an electronic module to the mounting surface; and

mounting a display unit directly in front of the electronic module along a first range of mounting locations with respect to the electronic module; and
establishing communication between the display unit and the electronic module.

23. The method of claim 22, wherein establishing communication between the display unit and the electronic module includes coupling a motherboard interface between the display unit and the electronic module.

24. The method of claim 22, wherein coupling the electronic module to the mounting surface includes coupling the electronic module to a cockpit instrument panel.

25. The method of claim 22, wherein mounting the display unit directly in front of the electronic module along the first range of mounting locations includes mounting along a vertical range of mounting locations.

26. A method of assembling an avionic instrument system on a mounting surface, comprising:
coupling a first mounting frame to the avionic mounting surface;
positioning an electronic module adjacent to the first mounting frame along a module range of mounting locations with respect to the first mounting frame;
coupling a second mounting frame between the electronic module and the first mounting frame;
mounting a display unit directly in front of the electronic module along a display range of mounting locations with respect to the electronic module; and
establishing communication between the single display unit and the electronic module.

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27. The method of claim 26, wherein coupling the first mounting frame to the avionic mounting surface includes coupling the first mounting frame to a cockpit instrument panel.
28. The method of claim 26, wherein mounting the display unit includes mounting a liquid crystal display (LCD) screen.
29. The method of claim 26, wherein mounting the display unit directly in front of the electronic module along the display range of mounting locations includes mounting along a vertical range of mounting locations.
30. The method of claim 26, wherein positioning an electronic module adjacent to the first mounting frame along a module range of mounting locations includes mounting along a horizontal range of mounting locations.